

02/18/2004 11:32 FAX

NP Photonics, Inc.

→ ERIC GIFFORD

002

Docket No. NP-0074

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Shibin JIANG et al.

Serial No.: Not assigned

Filing Date: February 19, 2004

For: SINGLE-FREQUENCY NARROW
LINEWIDTH 2 μ M FIBER LASER

Examiner: Unknown

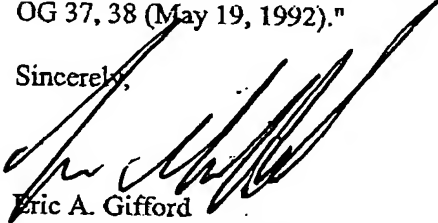
Group Art Unit: Unknown

INFORMATION DISCLOSURE STATEMENT COVER LETTERCommissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the indicated date. Applicant reserves the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered. This statement should not be construed as a representation that a search has been made, that information cited in the statement is considered to be and/or is material to patentability, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith. It is further understood that the Examiner will consider information that was cited or submitted to the U.S. Patent and Trademark Office in a prior application relied on under 35 U.S.C. §120, 1138 OG 37, 38 (May 19, 1992)."

Sincerely,


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PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Complete if Known	
			Application Number	
			Filing Date	
			First Named Inventor	
			Group Art Unit	
			Examiner Name	
Sheet 1 of 3			Attorney Docket Number NP-0074	

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	1.	4,964,131		LIU et al.	10/16/1990	
	2.	4,578,793		KANE et al.	03/25/1986	
	3.	6,603,779	B2	PEDERSEN et al.	08/05/2003	
	4.	6,570,893	B1	LIBATIQUE et al.	05/27/2003	
	5.	6,567,432	B1	KIM et al.	05/20/2003	
	6.	6,510,167	B1	JAIN et al.	01/21/2003	
	7.	6,476,960	B1	TRAYNOR et al.	11/05/2002	
	8.	6,463,083	B1	SUMIYOSHI et al.	10/08/2002	
	9.	6,320,885	B1	KAWAI et al.	11/20/2001	
	10.	6,041,069		KASHYAP et al.	03/21/2000	
	11.	6,031,850		CHEO	02/29/2000	
	12.	6,018,534		PAN et al.	01/25/2000	
	13.	6,002,704		FREITAG et al.	12/14/1999	
	14.	5,991,314		IONOV et al.	11/23/1999	
	15.	5,905,745		GRUBB et al.	05/18/1999	
	16.	5,892,781		PAN et al.	04/06/1999	
	17.	5,843,073		SINOESKY	12/01/1998	
	18.	5,617,244		PERCIVAL et al.	04/01/1997	
	19.	5,594,747		BALL	01/14/1997	
	20.	5,511,083		D'AMATO et al.	04/23/1996	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				

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			Filing Date	February 19, 2004	
			First Named Inventor	Shibin JIANG	
			Group Art Unit	Unknown	
			Examiner Name	Unknown	
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Sheet	2	of	3		

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Substitute for form 1449B/PTO <h2 style="text-align: center; margin: 0;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center; margin: 5px 0;">(use as many sheets as necessary)</p>		Complete if Known <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td style="width: 50%;"></td> </tr> <tr> <td>Filing Date</td> <td>February 19, 2004</td> </tr> <tr> <td>First Named Inventor</td> <td>Shibin JIANG</td> </tr> <tr> <td>Group Art Unit</td> <td>Unknown</td> </tr> <tr> <td>Examiner Name</td> <td>Unknown</td> </tr> <tr> <td>Attorney Docket Number</td> <td>NP-0074</td> </tr> </table>		Application Number		Filing Date	February 19, 2004	First Named Inventor	Shibin JIANG	Group Art Unit	Unknown	Examiner Name	Unknown	Attorney Docket Number	NP-0074
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Examiner Name	Unknown														
Attorney Docket Number	NP-0074														
Sheet	3	of	3												

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	28.	C. GHISLER et al., Tuning of a Tm ³⁺ :Ho ³⁺ :Silica Fiber Laser at 2 um, IEEE Journal of Quantum Electronics, Vol. 31, No. 11, November 1995, Pgs. 1877-1879.	
	29.	J.Y. ALLAIN et al., Tunable CW Lasing Around 0.82, 1.48, 1.88 and 2.35 um In Thulium-Doped Fluorozirconate Fibre, Electronics Letters, November 23, 1989, Vol. 25, No. 24, Pgs. 1660-1662.	
	30.	W.A. CLARKSON et al., High-power cladding-pumped Tm-doped silica fiber laser with a wavelength tuning from 1860 to 2090 nm, Optics Letters, November 15, 2002, Vol. 27, No. 22, Pgs. 1989-1991.	
	31.	Stuart D. JACKSON et al., High-power diode-cladding-pumped Tm-doped silica fiber laser, Optics Letters, September 15, 1998, Vol. 23, No. 18, Pgs. 1462-1464.	
	32.	Ashraf F. EL-SHERIF et al., High-peak-power operation of a Q-switched Tm ³⁺ -doped silica fiber laser operating near 2um, Optics Letters, January 1, 2003, Vol. 28, No. 1, Pgs. 22-24.	
	33.	R.A. HAYWARD et al., Efficient cladding-pumped Tm-doped silica fibre laser with high power singlemode output at 2um, Electronics Letters, April 13, 2000, Vol. 36, No. 8, Pgs. 711-712.	
	34.	Stuart D. JACKSON et al., Dynamics of the output of heavily Tm-doped double-clad silica fiber lasers, J. Opt. Soc. Am., December 1999, Vol. 16, No. 12, Pgs. 2178-2188.	
	35.	Stuart D. JACKSON et al., CW Operation of a 1.064-um Pumped Tm-Ho-Doped Silica Fiber Laser, IEEE Journal of Quantum Electronics, September 1998, Vol. 34, No. 9, Pgs. 1578-1587.	
	36.	R.C. SHARP et al., 190-fs passively mode-locked thulium fiber laser with a low threshold, Optics Letters, June 15, 1996, Vol. 21, No. 12, Pgs. 881-883.	
	37.	Kyunghwan OH et al., Continuous-wave oscillation of thulium-sensitized holmium-doped silica fiber laser, Optics Letters, February 15, 1994, Vol. 19, No. 4, Pgs. 278-280.	
	38.	J.N. CARTER et al., CW Diode-Pumped Operation of 1.97 um Thulium-Doped Fluorozirconate Fibre Laser, Electronics Letters, April 26, 1990, Vol. 26, No. 9, Pgs. 599-601.	

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